

# EW\_Drift-Faraday-Imaging January 2017 Campaign Report

This is an analysis of RTIs during EWDrift-Faraday-Imaging campaign from January 02 to January 05, 2017. We show the RTIs and results.

## EW\_DRIFT-FARADAY-IMAGING:

January, 02:

\_ Start the campaign from 15:23 hours.

\_ Spread F from 19 to 24 hours.

\_ % Operation/8h: 100.00

Log:

\_ 02 Jan 15:23 Start campaign.

\_ 02 Jan 17:15 Start of Imaging.

Staff in charge

07-20: K. Kuyeng. 20-24: A. Belleza.

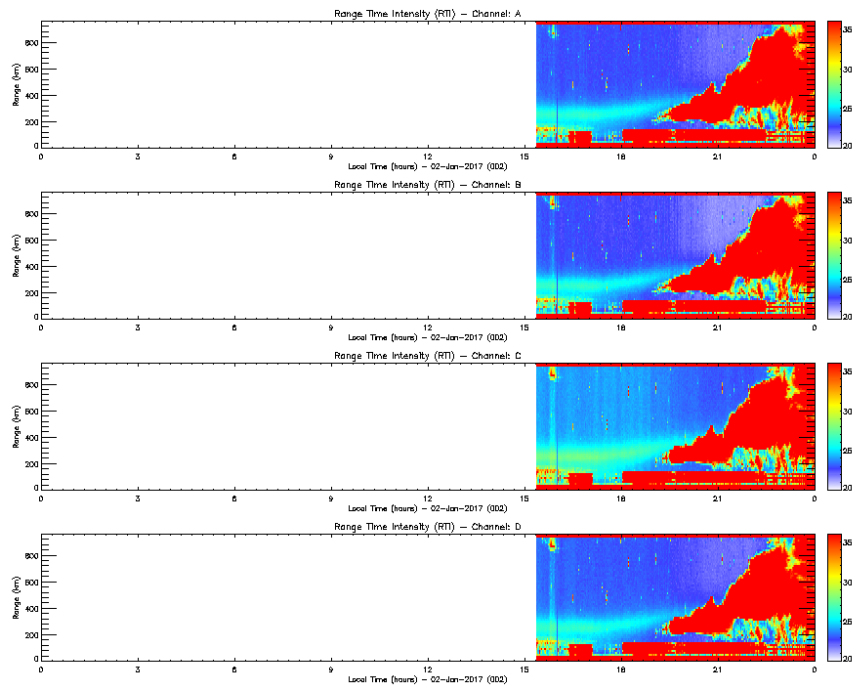
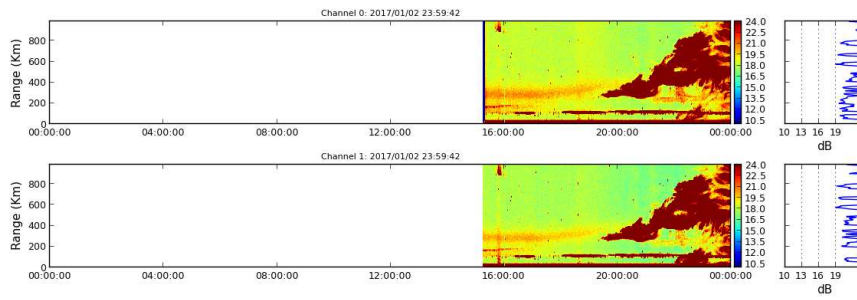
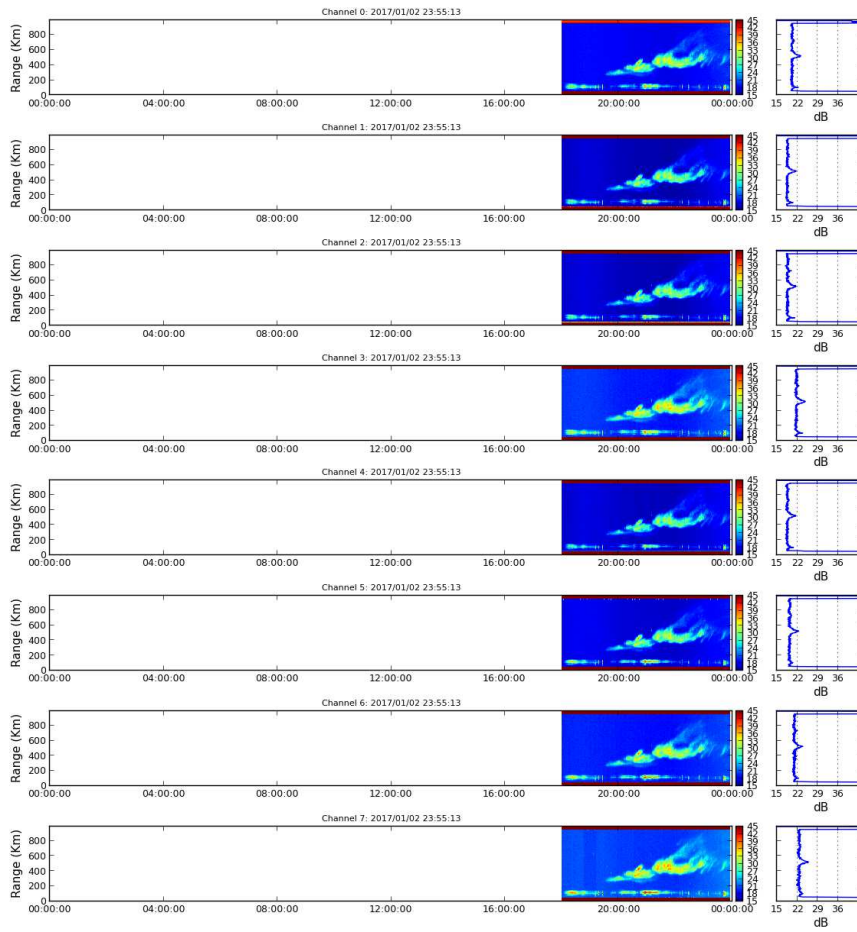


Figure 1.Rti EW\_DRIFT 2017-01-02.

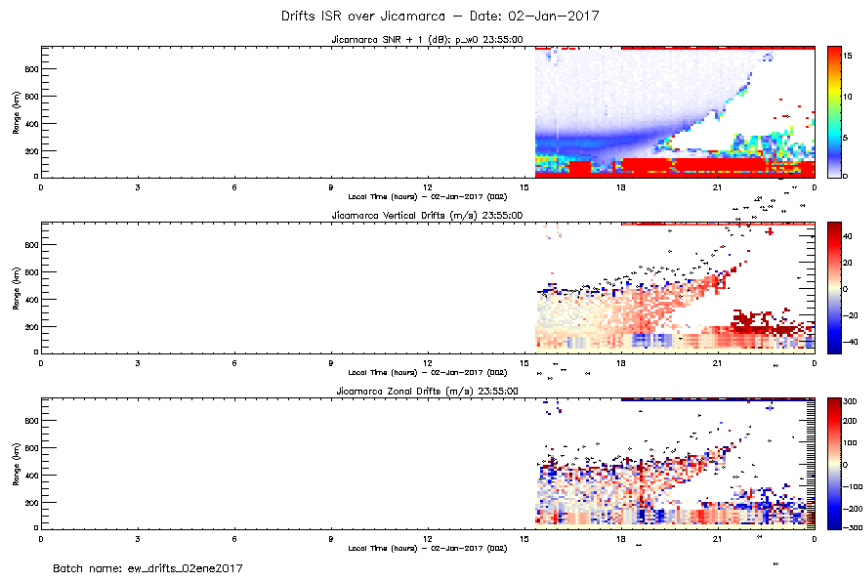


**Figure 2. Rti FARADAY 2017-01-02.**



**Figure 3. RTI IMAGING 2017-01-02.**

Drifts obtained:



**Figure 4. Drifts 2017-01-02.**

January, 03:

\_ Spread F from 0 to 6 hours and 19 to 24 hours.

\_ % operation/24h: 99.7.

Log:

\_ 03 Jan 10:10 Pc Ares restarted.

\_ 03 Jan 11:45 ABS control System turned off.

\_ 03 Jan 16:41 Faraday processing software restarted.

\_ 03 Jan 17:29 Imaging on.

\_ 03 Jan 15:04, 17:40 and 19:32 The Noise a little higher after spark gaps adjustment in Faraday channel A.

Staff in charge

00-08: A. Belleza. 08-20: J. Verastegui. 20-24: A. Valdez.

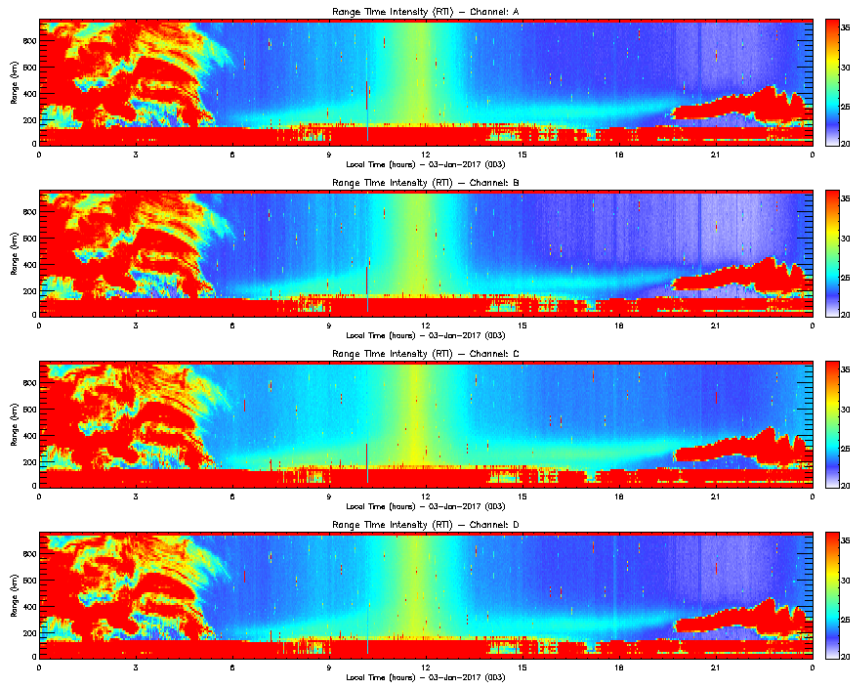


Figure 5. Rti EW\_DRIFT 2017-01-03.

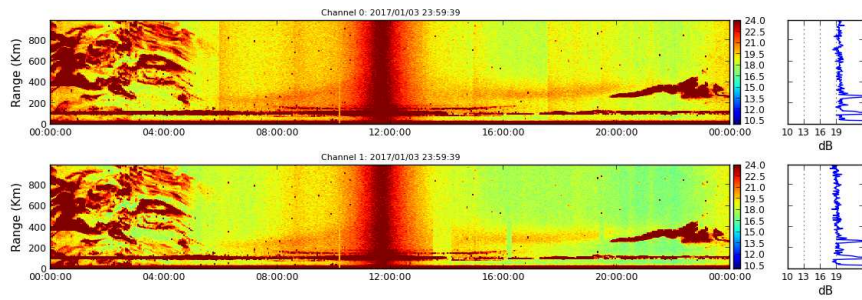


Figure 6. Rti FARADAY 2017-01-03.

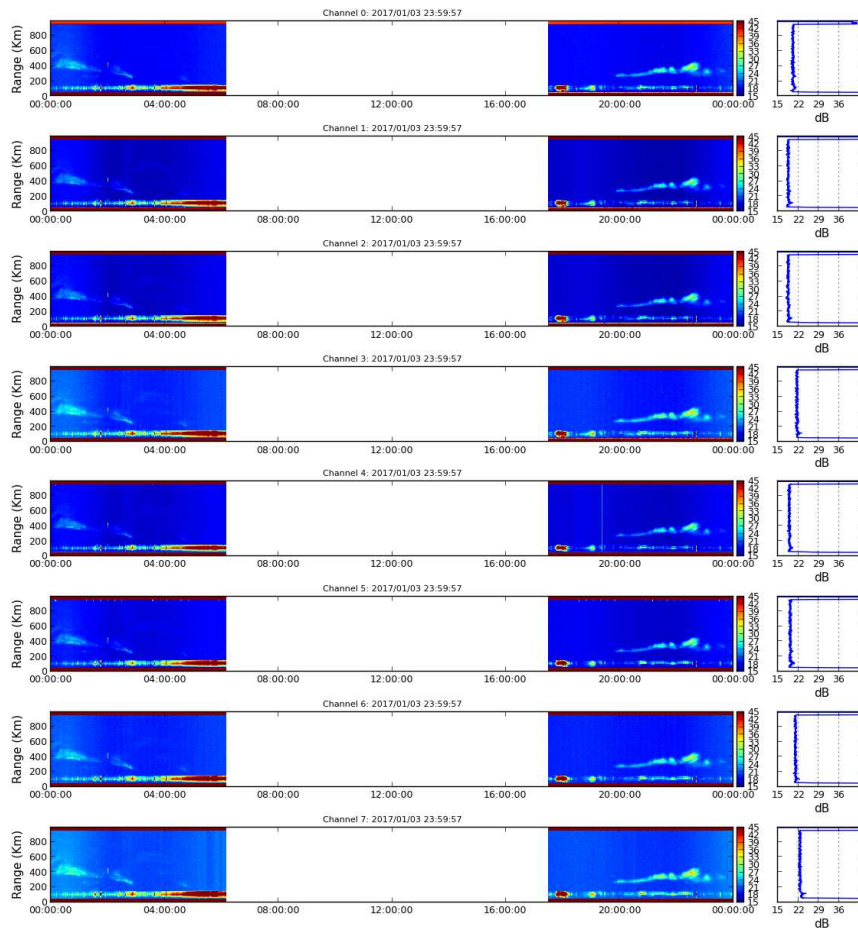
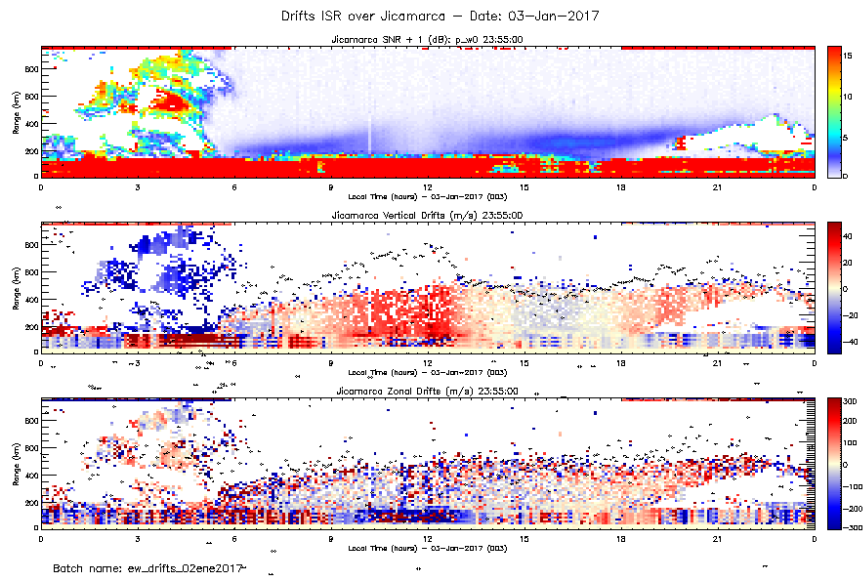


Figure 7. Rti IMAGING 2017-01-03.

Drifts obtained:



**Figure 8. Drifts 2017-01-03.**

January, 04:

\_ Spread F from 0 to 6 and 19 to 24 hours.

\_ % operation/24h: 100.

Log:

\_ 04 Jan 17:40 Starting Imaging.

Staff in charge:

00-08: A. Valdez. 08-20: K. Kuyeng. 20-24: P. Córdor.



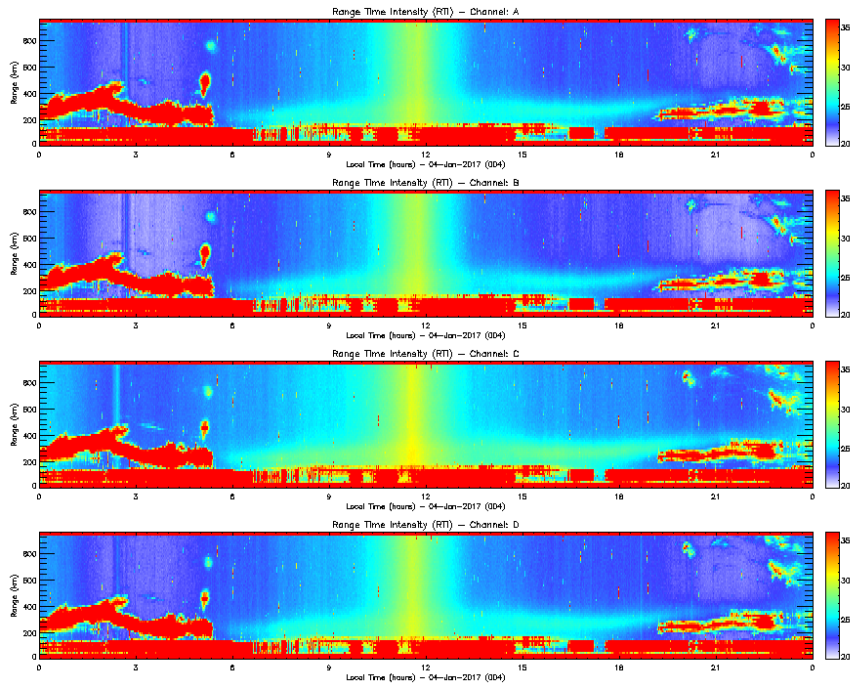


Figure 9. Rti EW\_DRIFT 2017-01-04.

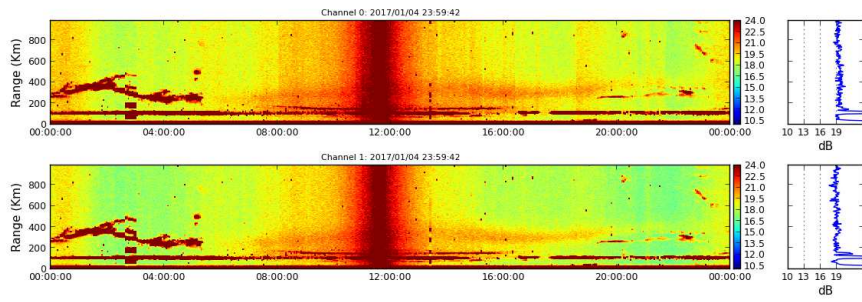
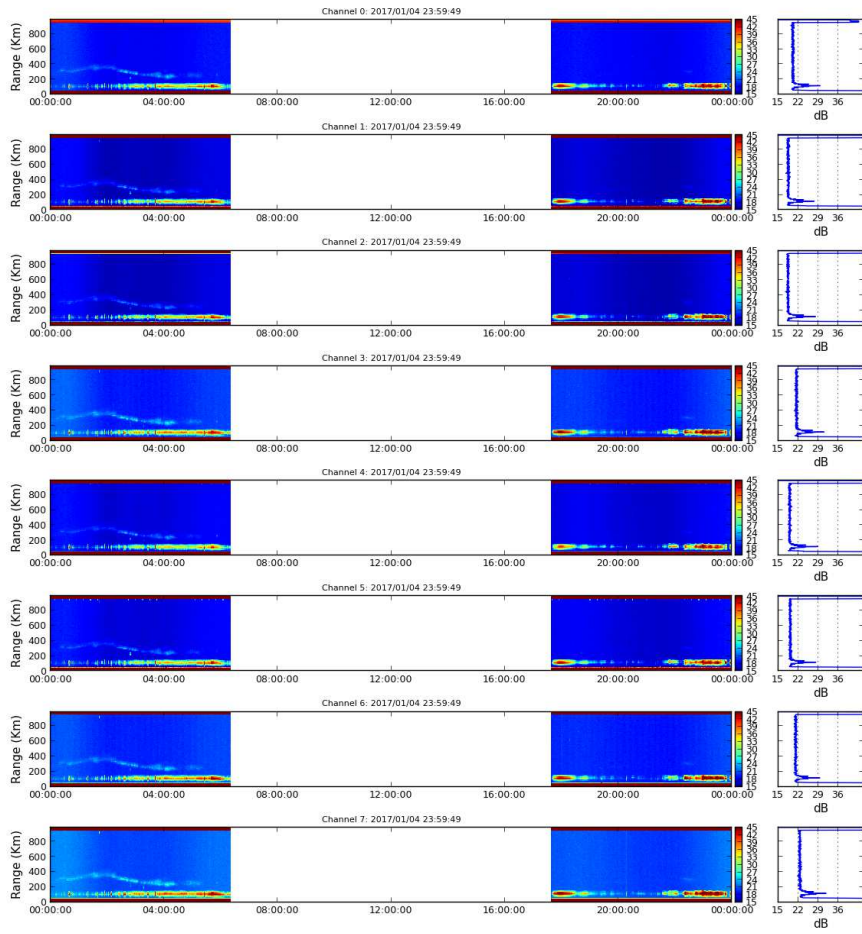


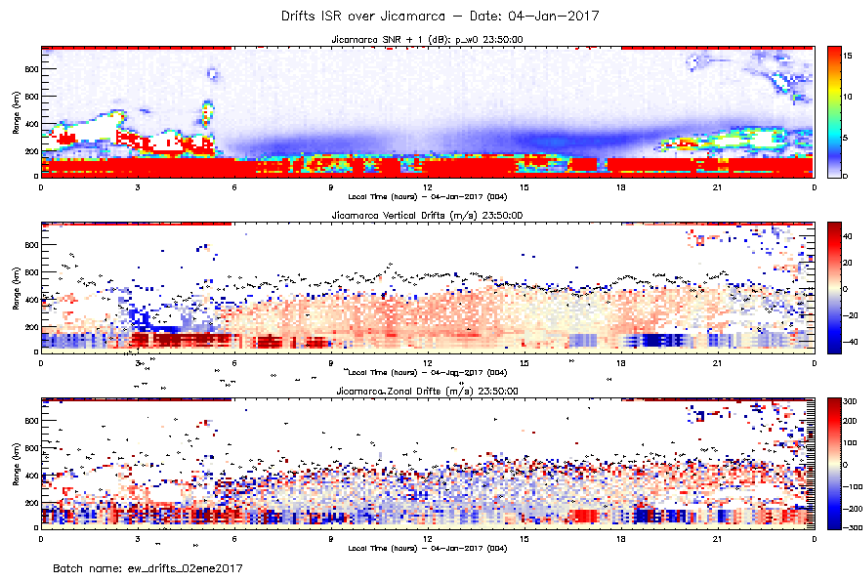
Figure 10. Rti FARADAY 2017-01-04.



**Figure 11. Rti IMAGING 2017-01-04.**

Drifts obtained:





**Figure 12. Drifts 2017-01-04.**

January, 05:

\_ Spread F from 0 to 6 hours.

Log:

\_ 05 Jan 07:50 End of experiment.

\_ % operation/24h: 100.

Staff in charge:

00-08: P. Córdor.

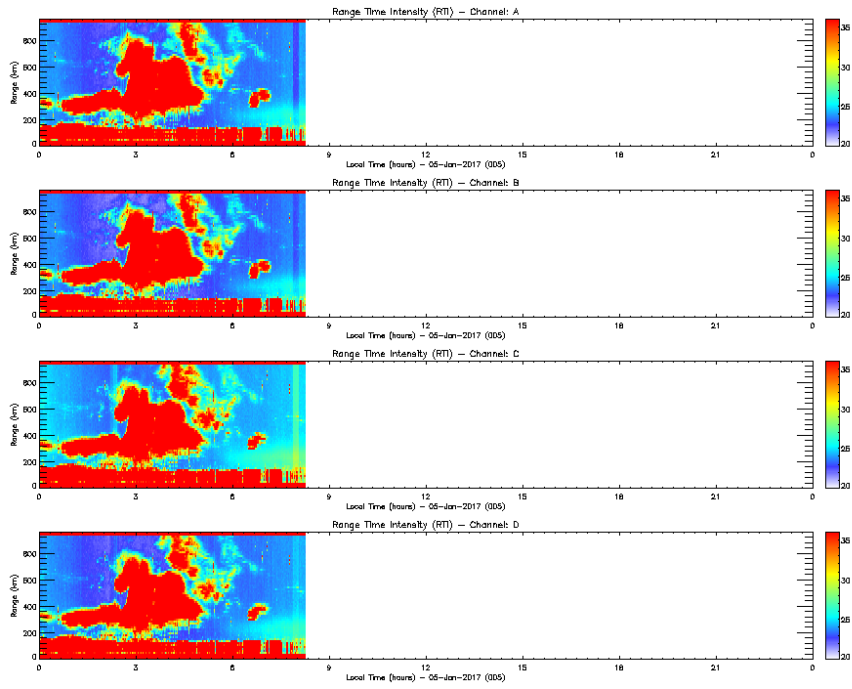


Figure 13. Rti EW\_DRIFT 2017-01-05.

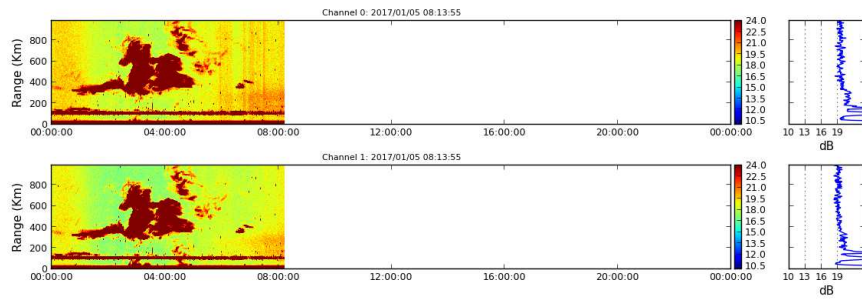


Figure 14. Rti FARADAY 2017-01-05.

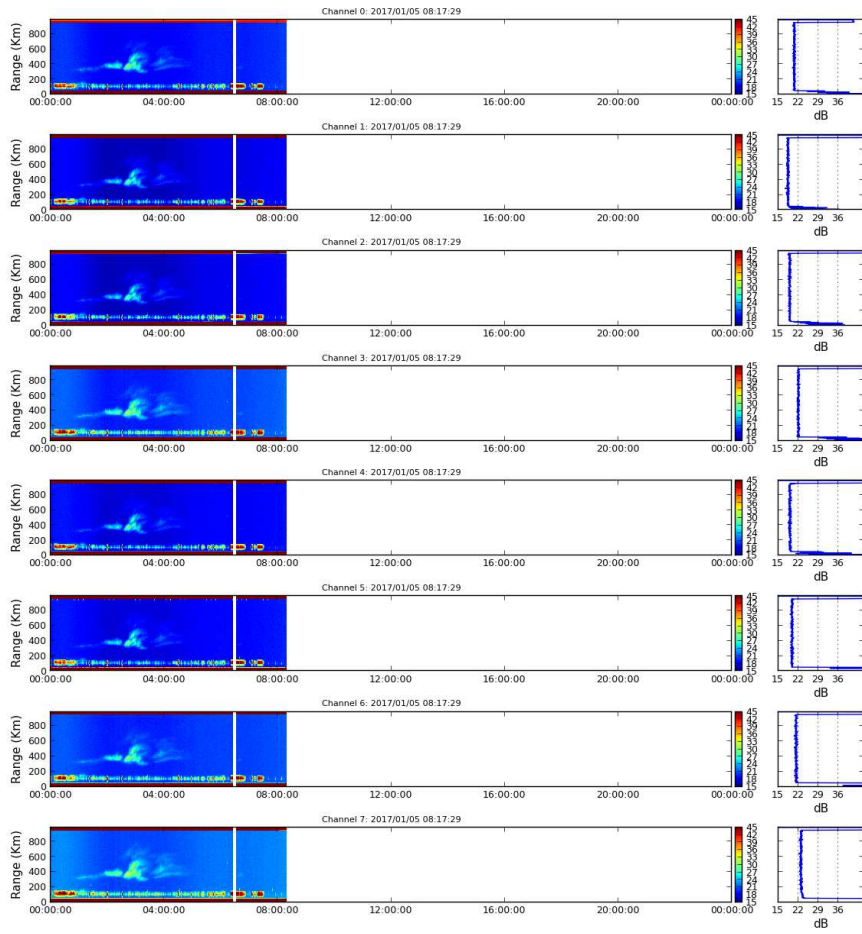
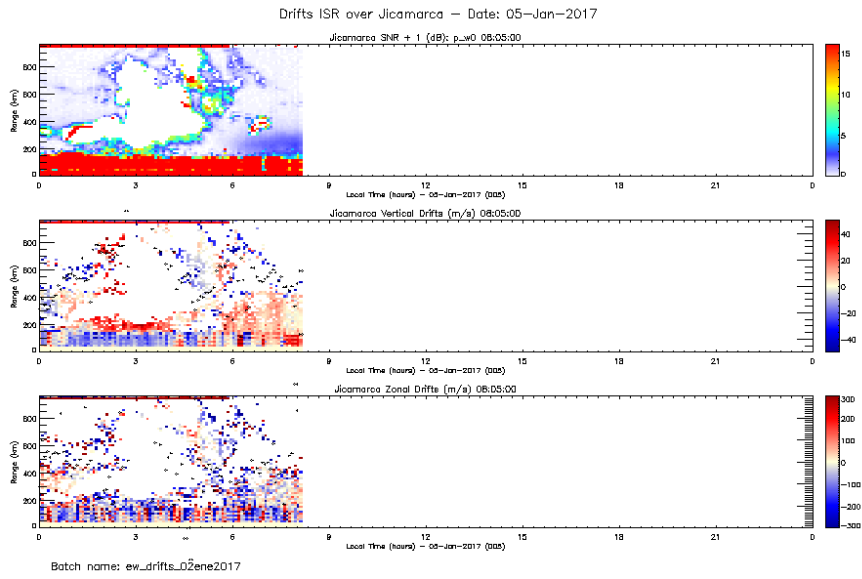


Figure 15. Rti IMAGING 2017-01-05.

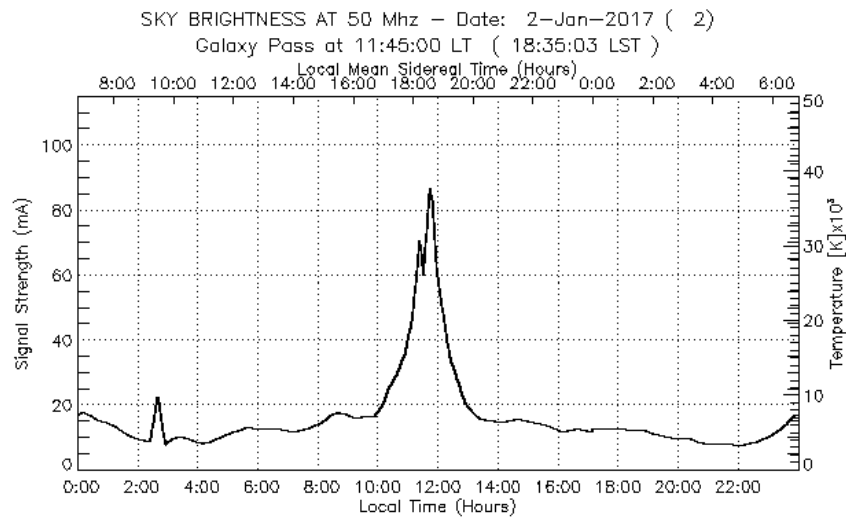
Drifts obtained:



**Figure 16. Drifts 2017-01-05.**

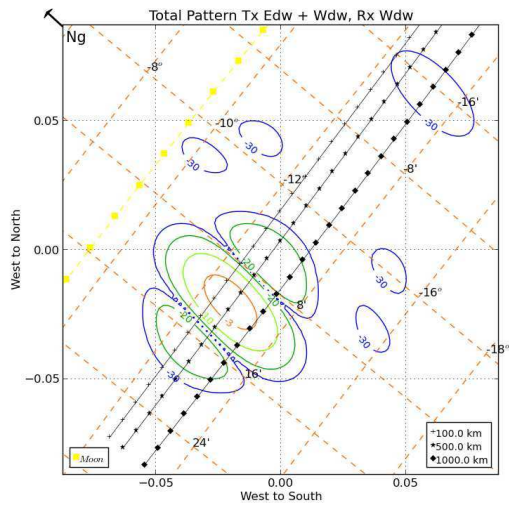
**Annex:**

Sky noise for January 02, 2017:

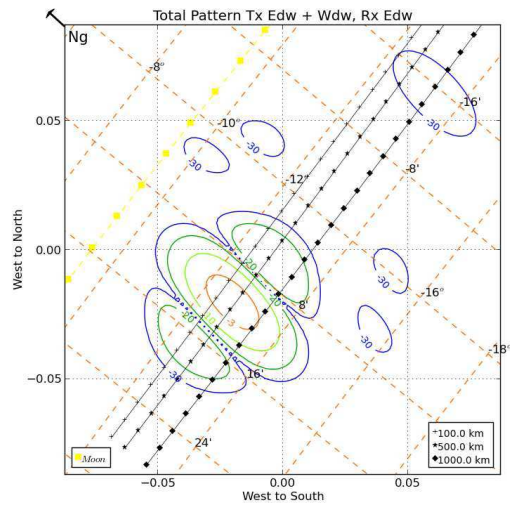


**Figure 17. Sky noise.**

**Antenna pattern**

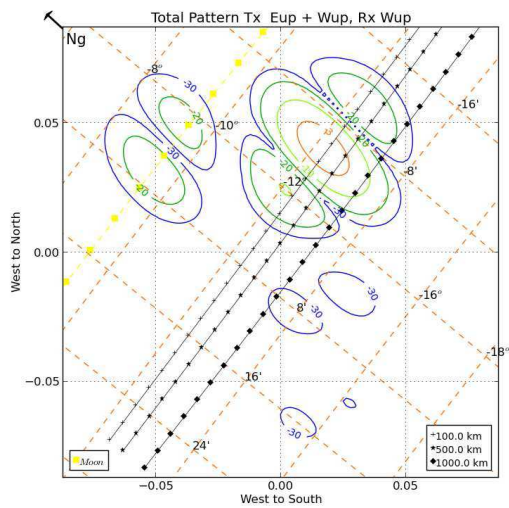


Over Jicamarca: 02-Jan-2017 (002)

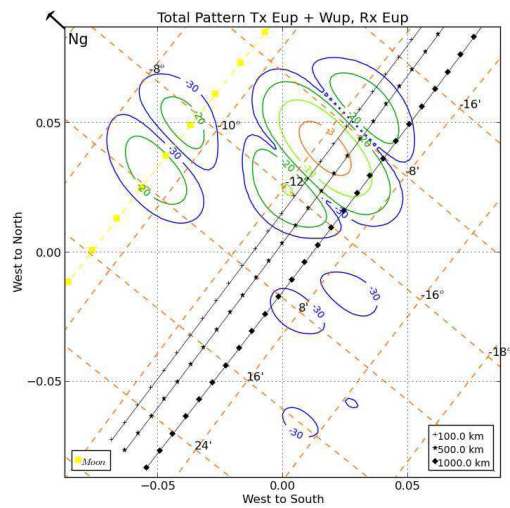


Over Jicamarca: 02-Jan-2017 (002)

Figure 18. Antennas pattern EW\_Drifts: Ch A and Ch B.

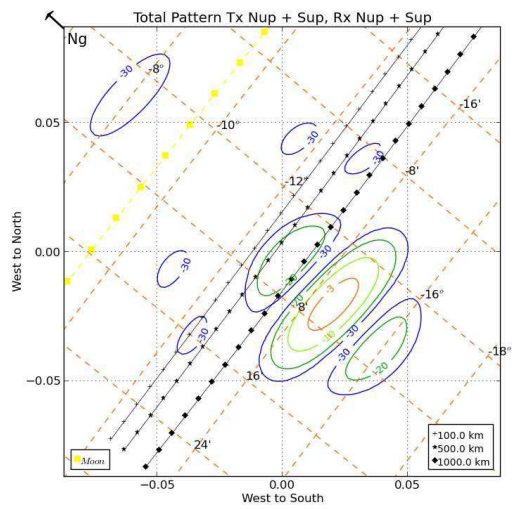


Over Jicamarca: 02-Jan-2017 (002)

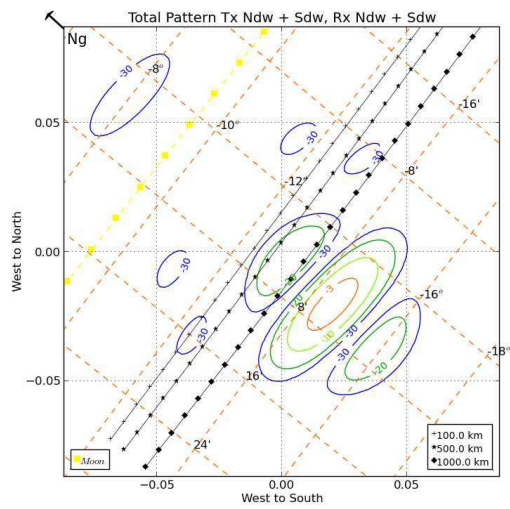


Over Jicamarca: 02-Jan-2017 (002)

Figure 19. EW\_Drifts: Ch C and Ch D.



Over Jicamarca: 02-Jan-2017 (002)



Over Jicamarca: 02-Jan-2017 (002)

Figure 20. Faraday: Ch A and Ch B.